

AN ORDINANCE

00- 0 -1489

**BY THE PUBLIC SAFETY COMMITTEE
AND LEGAL ADMINISTRATION COMMITTEE**

**AN ORDINANCE TO AMEND SECTION 78-57 OF THE
CODE OF ORDINANCES FOR THE CITY OF ATLANTA
SO AS TO REVISE AMENDMENTS TO THE STANDARD
FIRE PREVENTION CODE, 1994 EDITION.**

WHEREAS, for the purpose of establishing rules and regulations to safeguard life and property from hazards of fire and explosion arising from the storage, handling and use of hazardous substances, the City of Atlanta adopted the Standard Fire Prevention Code, 1994 edition, as amended by the Safety Fire Commissioner for the State of Georgia; and

WHEREAS, the City of Atlanta further amended the Standard Fire Prevention Code to reflect local needs; and

WHEREAS, some new businesses require emergency back-up generators with flammable or combustible liquid storage; and

WHEREAS, Fire Department identified needs to establish special requirements for storage of flammable or combustible liquids inside and outside of buildings located in the Fire District as outlined in Section 8-2074 of the City of Atlanta Code of Ordinances.

**NOW, THEREFORE, BE IT ORDAINED BY THE COUNCIL OF THE
CITY OF ATLANTA**, as follows:

SECTION ONE – Than an ordinance # 98-0-1540 adopted by the City Council on October 5, 1998, and signed by the Mayor on October 13, 1998, which amended Section 78-57 of the Code of Ordinances for the City of Atlanta, be and is hereby further amended pursuant to the following sections hereto:

SECTION 1-1: That Section 902.1.1 that currently reads as follows:

The storage of flammable or combustible liquids in aboveground tanks outside of buildings is prohibited within the following limits. No aboveground storage tank for Class I flammable liquids shall be erected within 300 feet of any school, church, hospital, theater or public hall. A public hall shall be defined as any building regularly used for public assembly for purposes of amusement, instruction, religious worship or other meetings. Additional location requirements shall be as specified in NFPA 30 as adopted in Chapter 120-3-11 of the Rules and Regulations of the Georgia Safety Fire Commissioner. The storage of flammable and combustible liquids in aboveground tanks outside of buildings is prohibited within the Fire Limits as established by Section 8-2074 of the City of Atlanta Code of Ordinances.

Be amended to read as follows:

The storage of flammable or combustible liquids in aboveground tanks outside of buildings is prohibited within the following limits. No aboveground storage tank for Class I flammable liquids shall be erected within 300 feet of any school, church, hospital, theater or public hall. A public hall shall be defined as any building regularly used for public assembly for purposes of amusement, instruction, religious worship or other meetings. Additional location requirements shall be as specified in NFPA 30 as adopted in Chapter 120-3-11 of the Rules and Regulations of the Georgia Safety Fire Commissioner and this ordinance.

The storage of flammable and combustible liquids in aboveground tanks outside of buildings within the Fire Limits as established by Section 8-2074 of the City of

Atlanta Code of Ordinances, shall be in accordance with the following regulations:

- (a) Flammable or combustible liquid storage tanks shall be located at the level of Fire Department vehicle access.
- (b) A storage or a day tank shall be a secondary containment type tanks as defined in NFPA 30. The tanks shall meet requirements of NFPA 30, Section 2-3.4.1, exception #2.
- (c) A flammable or combustible liquid storage tank, 12,000 gallon maximum capacity, shall be located inside a vault constructed in accordance with NFPA 30A, Section 2-4.4 and providing at least 4 hours fire-resistive enclosure or inside a tank room constructed in accordance with the following regulations:
 - 1. Tank room shall be constructed of walls, floor and top having a fire-resistive rating of not less than 4 hours with the walls bonded to the floor.
 - 2. Tank room shall contain 100 percent of the total capacity of all tanks, and provided with a liquid-tight noncombustible sill raised not less than six (6) inches above the floor.
 - 3. There shall be three (3) feet clearance around the tank and between the top of the tank and ceiling of the tank room for movement of fire-fighting personnel and fire protection equipment.
 - 4. Tank room shall be provided with a ventilation system per NFPA 30, Section 2-5.3.
 - 5. Tank room shall be provided with a leak-detection system providing audible and visual alarm.
 - 6. Tank room containing tanks with an aggregate capacity of more than 500 gallons of flammable or combustible liquids shall be protected with an automatic suppression system designed in accordance with one of the following standards:
 - a) NFPA 11, Standard for Low Expansion Foam;
 - b) NFPA 12, Standard for Carbon Dioxide Extinguisher System;
 - c) Automatic Suppression System approved by the Fire Marshal.

7. The individual capacity of any tank in a tank room shall not exceed 12,000 gallons.
8. Warning placard shall be conspicuously posted on the door into the tank room. The sign shall read "Flammable Liquids, No Smoking or Open Flame".

SECTION 1-2: That Section 902.4 that currently reads as follows:

Tanks for storage of flammable or combustible liquids shall not be installed inside buildings except as provided under 905, 907 and 908 and in accordance with the construction and occupancy separation requirements of the building code for a Hazardous Occupancy. Tanks for the storage of flammable liquids may be installed under a building as an underground tank complying with 902.3.

Be amended as follows:

Tanks for storage of flammable or combustible liquids may be installed inside buildings as provided under 905, 907 and 908 and in accordance with the construction and occupancy separation requirements of the building code for a Hazardous Occupancy. Tanks for the storage of flammable liquids may be installed under a building as an underground tank complying with 902.3.

Flammable and combustible liquids storage and day tanks not used for buildings life safety systems emergency back-up shall be installed inside buildings located within the fire limits as established by the City of Atlanta Code of Ordinances, Section 8-2074 in accordance with the following regulations:

- a) Tanks installed inside of a building shall be a secondary containment type tank, as defined in NFPA 30.
- b) All storage or day tanks in a building shall be located in the lowest story, cellar or basement.

- c) Installation of flammable liquid storage or day tanks on a roof of a building is prohibited.
- d) The aggregate capacity of all flammable or combustible liquid storage or day tanks in a building shall not exceed 15,000 gallons.
- e) Tanks used for a building emergency system shall not be used for any other purpose.
- f) A flammable or combustible liquid storage tank – 12,000 gallon maximum capacity – shall be located in a vault constructed in accordance with NFPA 30A, Section 2-4.4 and providing at least 4 hours fire-resistive enclosure or inside a tank room constructed in accordance with the following regulations:
 - 1. Tank room shall be constructed of walls, floor and top having a fire-resistive rating of not less than 4 hours with the walls bonded to the floor.
 - 2. Tank room shall contain 100 percent of the total capacity of all tanks, and provided with a liquid-tight noncombustible sill raised not less than six (6) inches above the floor.
 - 3. There shall be three (3) feet clearance around the tank and between the top of the tank and ceiling of the tank room for movement of fire-fighting personnel and fire protection equipment.
 - 4. Tank room shall be provided with a ventilation system per NFPA 30, Section 2-5.3.
 - 5. Tank room shall be provided with a leak-detection system providing audible and visual alarm.
 - 6. Tank room containing tanks with an aggregate capacity of more than 500 gallons of flammable or combustible liquids shall be protected with an automatic suppression system designed in accordance with one of the following standards:
 - a) NFPA 11, Standard for Low Expansion Foam;
 - b) NFPA 12, Standard for Carbon Dioxide Extinguisher System;
 - c) Automatic Suppression System approved by the Fire Marshal.

7. The individual capacity of any tank in a tank room shall not exceed 12,000 gallons.
8. Warning placard shall be conspicuously posted on the door into a tank room. The sign shall read "Flammable Liquids, No Smoking or Open Flame".

SECTION 1-3: That subsection 3101.12.2 of Section 3101.13 be renumbered to read 3101.13.2.

Section Two: If any subsection, sentence, clause or phrase of the ordinance is for any reason held invalid, such decision shall not affect the remaining portions of this ordinance.

TRANSMITTAL FORM FOR LEGISLATION

To Mayor's Office: Greg Pridgeon
(for review & distribution to Executive Management)

Commissioner Signature Wanda S. Mann Director Signature _____

From: Originating Dept. Fire Contact (name) Asst. Chief Nathaniel Grissom
(404) 853-7062

Committee(s) of Purview: Public Safety Committee Deadline: _____

Committee Meeting Date (s) 9/12/00 City Council Meeting Date: 10/2/00

CAPTION:

AN ORDINANCE TO AMEND SECTION 78-57 OF THE CODE OF ORDINANCES FOR THE CITY OF ATLANTA SO AS TO REVISE AMENDMENTS TO THE STANDARD FIRE PREVENTION CODE, 1994 EDITION.

BACKGROUND/PURPOSE/DISCUSSION:

The Atlanta Fire Department is proposing to establish regulations governing installation of flammable liquid storage tanks inside and outside of buildings located in the Fire District designated in the Section 8-2074 of the City Code of Ordinances.

FINANCIAL IMPACT (if any):

N/A

Mayor's Staff Only

Received by Mayor's Office: 9/15/00
(date)

Reviewed: WJ 9/15/00
(initials) (date)

Submitted to Council: _____
(date)

Action by Committee: _____ Approved _____ Adversed _____ Held _____ Amended
Substitute Referred Other